



Frost Giant

by Arya Akhavan (September 2012)

Angles for R.I. = 1.520

64 + 18 girdles = 82 facets

3-fold, mirror-image symmetry

96 index

L/W = 1.074 T/W = 0.363 U/W = 0.315

P/W = 0.378 C/W = 0.200

Vol./W³ = 0.206

PAVILION

P1	43.57°	96-32-64	Cut to centrepont.
P2	43.07°	02-30-34-62-66-94	Meet at culet.
G1	90.00°	96-32-64	Set stone size.
G2	90.00°	02-30-34-62-66-94	Level girdle.
P3	41.56°	01-31-33-63-65-95	Meet P1, P2, G1, G2
P4	42.91°	04-28-36-60-68-92	Meet P2, P3
P5	39.77°	16-48-80	Meet P2, P3, P4
G3	90.00°	04-28-36-60-68-92	Level girdle.
G4	90.00°	16-48-80	Level girdle.

CROWN

C1	50.93°	96-32-64	Set girdle width.
C2	55.04°	02-30-34-62-66-94	Level girdle.
C3	55.04°	04-28-36-60-68-92	Level girdle.
C4	55.04°	16-48-80	Level girdle.
C5	49.93°	01-31-33-63-65-95	Meet G1, G2, C1, C2
C6	17.79°	12-20-44-52-76-84	Meet C2, C3, C5 (not C1, C5)
C7	20.86°	08-24-40-56-72-88	Meet C1, C5; C2, C3, C5, C6
C8	14.84°	16-48-80	Meet C6, C7
T	0.00°	Table	Meet C6, C7, C8

I got my hands on another piece of that interesting albite feldspar, and was going to cut my "Electric Feel" design. The outline fit perfectly, but unfortunately, the rough was too shallow. So, I kept the outline and wrote a new stone. Works in materials from feldspar to CZ (RI = 1.52 - 2.16), but could use optimizing in higher RIs.

Suggested size = 12-20 mm

C:\Program Files (x86)\GemCAD\Designs (Mine)\Frost Giant.gem